WHAT IS CLAIMED IS:

1. A client wireless module, for handling communications to and from an access point wireless module, comprising:

an 11b processing section, for processing at least data to be transmitted to the access point into representations of a transmit signal;

an OFDM processing section, for processing at least a representation of a receive signal from the access point into receive data;

at least one transmit antenna, coupled to the 11b processing section;

at least one receive antenna, coupled to the OFDM processing section; and

logic for routing information between a client and the client wireless module.

2. The client wireless module of claim 1, wherein the at least one transmit antenna comprises a plurality of transmit antennas.

3. The client wireless module of claim 1, wherein the at least one receive antenna comprises a plurality of receive antennas.

4. A client wireless module, for handling communications to and from an access point wireless module, comprising:

an OFDM processing section, for processing at least data to be transmitted to the access point into representations of a transmit signal;

an 11b processing section, for processing at least a representation of a receive signal from the access point into receive data;

at least one transmit antenna, coupled to the OFDM processing section;

at least one receive antenna, coupled to the 11b processing section; and

logic for routing information between a client and the client wireless module.

5. The client wireless module of claim 4, wherein the at least one transmit antenna comprises a plurality of transmit antennas.

6. The client wireless module of claim 4, wherein the at least one receive antenna comprises a plurality of receive antennas.

7. An access point wireless module, for handling communications to and from a client wireless module, comprising:

an 802.11b processing section, for processing at least data to be transmitted to the client into representations of a transmit signal;

an 802.11g processing section, for processing at least a representation of a receive signal from the client into receive data;

at least one transmit antenna, coupled to the 802.11b processing section;

at least one receive antenna, coupled to the 802.11g processing section; and

logic for routing information between an access point and the access point wireless module.

8. The access point wireless module of claim 7, wherein the at least one transmit antenna comprises a plurality of transmit antennas.

9. The access point wireless module of claim 8, wherein the at least one receive antenna comprises a plurality of receive antennas.

10. An access point wireless module, for handling communications to and from a client wireless module, comprising:

an 802.11g processing section, for processing at least data to be transmitted to the client into representations of a transmit signal;

an 802.11b processing section, for processing at least a representation of a receive signal from the client into receive data;

at least one transmit antenna, coupled to the 802.11g processing section;

at least one receive antenna, coupled to the 802.11b processing section; and

logic for routing information between an access point and the access point wireless module.

11. The access point wireless module of claim 10, wherein the at least one transmit antenna comprises a plurality of transmit antennas.

12. The access point wireless module of claim 10, wherein the at least one receive antenna comprises a plurality of receive antennas.

13. A method of wireless communication between a client device and an access point, wherein a client device is a wireless network station that is portable, mobile or portable and mobile, the method comprising:

transmitting upstream data from the client device using an 802.11b protocol;

receiving the upstream data at the client device;

transmitting downstream data from the access point using an 802.11g protocol; and

receiving the downstream data at the client device.

14. A method of wireless communication between a first station and a second station, the method comprising:

at the first station, transmitting data packets to the second station using a first data modulation and a first data rate;

at the first station, transmitting acknowledgement packets to the second station in response to data packets received from the second station, using a first acknowledgement modulation and a first acknowledgement rate;

at the second station, transmitting data packets to the first station using a second data modulation and a second data rate; and

at the second station, transmitting acknowledgement packets to the first station in response to the data packets received from the first station, using a second acknowledgement modulation and a second acknowledgement rate,

wherein the first data rate is distinct from at least one of the second data rate, the first acknowledgement rate, or the second acknowledgement rate.

15. A method of claim 14, wherein the first data modulation is distinct from at least one of the second data modulation, the first acknowledgement modulation, or the second acknowledgement modulation.

16. A method of claim 14, wherein the first data modulation, the second data modulation, the first acknowledgement modulation, and the second acknowledgement modulation are selected from and 802.11b rate and an OFDM rate.

17. A method of claim 16, wherein at least one of the first data modulation, the second data modulation, the first acknowledgement modulation, and the second acknowledgement modulation is an 802.11b modulation and at least one of the modulations is an OFDM modulation.